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Amendments to the Claims**1-26. (Cancelled)**

27. (previously presented) A shelf-stable solution formulation comprising a therapeutically effective amount of a glucagon-like peptide-1 (GLP-1) molecule which comprises the amino acid sequence:
- $R_1$ -X-Glu-Gly<sup>10</sup>-Thr-Phe-Thr-Ser-Asp<sup>15</sup>-Val-Ser-Ser-Tyr-Leu<sup>20</sup>-Y-Gly-Gln-Ala-Ala<sup>25</sup>-Lys-Z-Phe-Ile-Ala<sup>30</sup>-Trp-Leu-Val-Lys-Gly<sup>35</sup>-Arg- $R_2$  (SEQ ID NO:2)
- wherein  $R_1$  is His or desamino-histidine, X is Ala, Gly or Val, Y is Glu or Gln, Z is Glu or Gln and  $R_2$  is Gly-OH,
- and wherein said GLP-1 molecule further comprises one additional amino acid substitution; a pharmaceutically acceptable preservative; and a tonicity modifier,
- and wherein said formulation has a pH that is about 8.2 to about 8.8.
28. (previously presented) The formulation of claim 27 wherein the formulation has a pH that is about 8.2 to about 8.5.
29. (previously presented) The formulation of claim 27, wherein  $R_1$  is L-histidine, X is Val, Y is Glu, Z is Glu, and  $R_2$  is Gly-OH.
30. (previously presented) The formulation of claim 27 wherein the formulation is buffered by TRIS.
31. (cancelled)
32. (cancelled)
33. (previously presented) A method for treating diabetes comprising administering to a patient in need of such treatment an effective amount of the formulation of claim 27.
34. (previously presented) A shelf-stable solution formulation comprising a therapeutically effective amount of a glucagon-like peptide-1 (GLP-1) molecule selected from the group consisting of GLP-1(7-34), GLP-1(7-35), GLP-1(7-36), GLP-1(7-37), or the amide forms thereof, comprising at least one modification selected from the group consisting of:

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- (a) substitution of a glycine, serine, cysteine, threonine, asparagine, glutamine, tyrosine, alanine, valine, isoleucine, leucine, methionine, phenylalanine, arginine, or D-lysine for lysine at position 26 and/or position 34 or substitution of a glycine, serine, cysteine, threonine, asparagine, glutamine, tyrosine, alanine, valine, isoleucine, leucine, methionine, phenylalanine, lysine, or a D-arginine for arginine at position 36;
- (b) substitution of an oxidation-resistant amino acid for tryptophan at position 31;
- (c) substitution of at least one of: tyrosine for valine at position 16; lysine for serine at position 18; aspartic acid for glutamic acid at position 21; serine for glycine at position 22; arginine for glutamine at position 23; arginine for alanine at position 24; and glutamine for lysine at position 26; and
- (d) substitution comprising at least one of: glycine, serine, or cysteine for alanine at position 8; aspartic acid, glycine, serine, cysteine, threonine, asparagine, glutamine, tyrosine, alanine, valine, isoleucine, leucine, methionine, or phenylalanine for glutamic acid at position 9; serine, cysteine, threonine, asparagine, glutamine, tyrosine, alanine, valine, isoleucine, leucine, methionine, or phenylalanine for glycine at position 10; and glutamic acid for aspartic acid at position 15;

a pharmaceutically acceptable preservative; and a tonicity modifier, wherein said formulation has a pH that is about 8.2 to about 8.8..

- 35. (previously presented) The formulation of claim 34 wherein the formulation has a pH that is about 8.2 to about 8.5.
- 36. (previously presented) The formulation of claim 34, wherein the GLP-1 molecule is selected from the group consisting of GLP-1(7-34), GLP-1(7-35), GLP-1(7-36), GLP-1(7-37), or the amide forms thereof, and provided that arginine is substituted for lysine at position 34.

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37. (previously presented) The formulation of claim 34 wherein the formulation is buffered by TRIS.
38. (cancelled)
39. (cancelled)
40. (previously presented) A method for treating diabetes comprising administering to a patient in need of such treatment an effective amount of the formulation of claim 34.
41. (previously presented) A shelf-stable solution formulation comprising a therapeutically effective amount of a glucagon-like peptide-1 (GLP-1) molecule which comprises the amino acid sequence:
- $R_1$ -X-Glu-Gly<sup>10</sup>-Thr-Phe-Thr-Ser-Asp<sup>15</sup>-Val-Ser-Ser-Tyr-  
Leu<sup>20</sup>-Y-Gly-Gln-Ala-Ala<sup>25</sup>-Lys-Z-Phe-Ile-Ala<sup>30</sup>-Trp-Leu-Val-  
Lys-Gly<sup>35</sup>-Arg-R<sub>2</sub> (SEQ ID NO:2)
- wherein R<sub>1</sub> is His or desamino-histidine, X is Ala, Gly or Val, Y is Glu or Gln, Z is Glu or Gln and R<sub>2</sub> is Gly-OH;  
a pharmaceutically acceptable preservative; and a tonicity modifier,  
wherein said formulation has a pH that is about 8.2 to about 8.8.
42. (previously presented) The formulation of claim 41 wherein the formulation has a pH that is about 8.2 to about 8.5.
43. (previously presented) The formulation of claim 41, wherein R<sub>1</sub> is L-histidine, X is Val, Y is Glu, Z is Glu, and R<sub>2</sub> is Gly-OH.
44. (previously presented) The formulation of claim 41 wherein the formulation is buffered by TRIS.
45. (cancelled)
46. (cancelled)
47. (previously presented) A method for treating diabetes comprising administering to a patient in need of such treatment an effective amount of the formulation of claim 41.

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If, for any reason, the Examiner feels that a telephone conversation would be helpful in expediting the prosecution of this case, the Examiner is urged to call me.

Respectfully submitted,



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